

LAND APPLICATION SITE

JEANNETTE M. DEANE

GRJMD 1-3

GREENE COUNTY

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 10-29-2013 between Carroll M. Deane Trust referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Greene Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids; water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>35A 6A Rosebrook Parcel A</u>			
<u>35A 6 RE810</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Jeannette M Deane Trustee Jeannette M Deane 1734 Rosebrook Rd
Landowner - Printed Name, Title Signature Mailing Address & Phone Number Standardsville VA 22943

Permittee:

Recyc Systems, Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

[Signature] PO Box 562 Remington, Virginia 22734
Permittee - Authorized Representative Signature Mailing Address
Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: Greene

Landowner: Jeanette M Deane, Trustee

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Jeanette M Deane, Trustee
Landowner's Signature

10/25/2013
Date

Greg Deane (Gee)
Farm Operator Signature

1934 Rosewood Rd
Stanardsville, VA 22973
Mailing Address & Phone Number
434-985-7664
" " 8740

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: Greene

Landowner: Gregory B Jeanette Deane

Landowner Site Management Requirements:

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6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Gregory B. Deane
Landowner's Signature

11-6-13
Date

1734 Rosebrook Rd.
Stanardsville, VA 22973
434-985-7664

Gregory B. Deane
Farm Operator Signature

Mailing Address & Phone Number

FARM DATA SHEET

SITE NAME:	Jeannette M. Deane	COUNTY:	Greene
OWNER:	Gregory and Jeannette Deane; Jeannette M. Deane, Trustee of the James L. Morris Revocable Living Trust	OPERATOR:	Gregory Deane
OWNER'S ADDRESS:	1734 Rosebrook Road Stanardsville, VA 22973	OPERATOR'S ADDRESS:	1734 Rosebrook Road Stanardsville, VA 22973
OWNER'S TELEPHONE:	434-985-7664	OPERATOR'S TELEPHONE:	434-985-7664
GENERAL FARM TYPE:	Pasture/ Hay	CELL PHONE:	434-985-8740
# CATTLE:	22	EMAIL:	
LAGOON or SLURRY:	None	LATITUDE:	38°17'28"N 38.291
TOPO QUAD:	Swift Run Gap	LONGITUDE:	78°30'50"W 78.51389
COMMENTS: Please check all fields for rock outcrops and drainage areas prior to field operations.			

BB

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
GRJMD 1	38.9	Cn Nov.-Apr. Sc Nov.-Apr.	-	-	Sc Dec.-May	JR 09	TM 35-A-6	T 102 F 1, 2
GRJMD 2	36.5	Sc Nov.-Apr.	-	-	Sc Dec.-May	JR 09	TM 35-A-6 TM 35-A-6A	T 102 F 3, 4
GRJMD 3	3.5	Sc Nov.-Apr.	-	-	Sc Dec.-May	JR 09	TM 35-A-6	T 102 F 5
TOTAL ACRES IN SITE	78.9							

Landowner Coordination Form

Signature not required on this page

[illegible]

Report Number: 13-312-0521
Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower: JEANETTE DEANE
GREENE CO.

Submitted By: BB
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 11/08/2013

Date Of Analysis: 11/11/2013

Date Of Report: 11/11/2013

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1 GRJMD	03399	4.6	M	135	1	VL			145	H	82	M	503	L			5.3	6.77	1.6	5.2
2A GRJMD	03400	4.2	M	127	10	VL			91	M	94	H	462	L			5.2	6.76	1.7	5.0
2B GRJMD	03401	3.9	M	123	9	VL			90	M	75	H	338	L			5.3	6.82	1.1	3.7
3 GRJMD	03402	3.0	M	106	10	VL			53	L	50	M	278	L			5.2	6.83	1.0	2.9

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm
1 GRJMD	7.1	13.1	48.4		30.9										
2A GRJMD	4.7	15.7	46.2		34.5										
2B GRJMD	6.2	16.9	45.7		31.0										
3 GRJMD	4.7	14.4	47.9		34.7										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 13-312-0521

Account Number: 70594



www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
JEANETTE DEANE
GREENE CO.

Submitted By: BB
Farm ID:

Date Received: 11/08/2013

Date Of Report: 11/11/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1 GRJMD	Adjust pH to 6.8	0	2.0				0						
2A GRJMD	Adjust pH to 6.8	0	2.0				0						
2B GRJMD	Adjust pH to 6.8	0	1.8				5						
3 GRJMD	Adjust pH to 6.8	0	1.8				30						

Comments:

Sample(s) : 1,3 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

Sample(s) : 2B,3 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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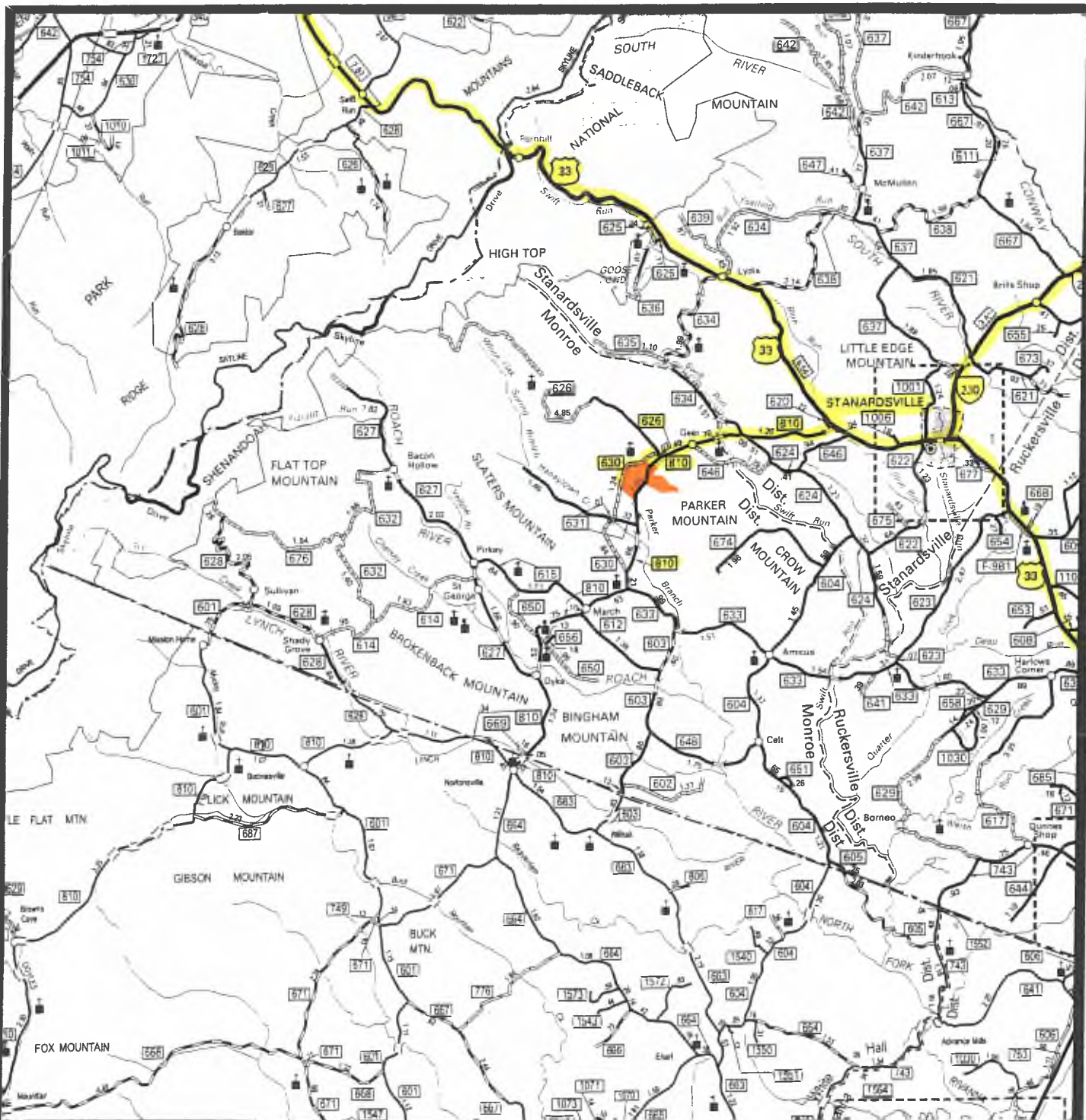
Paucic McGroary

Paucic McGroary

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 2 miles

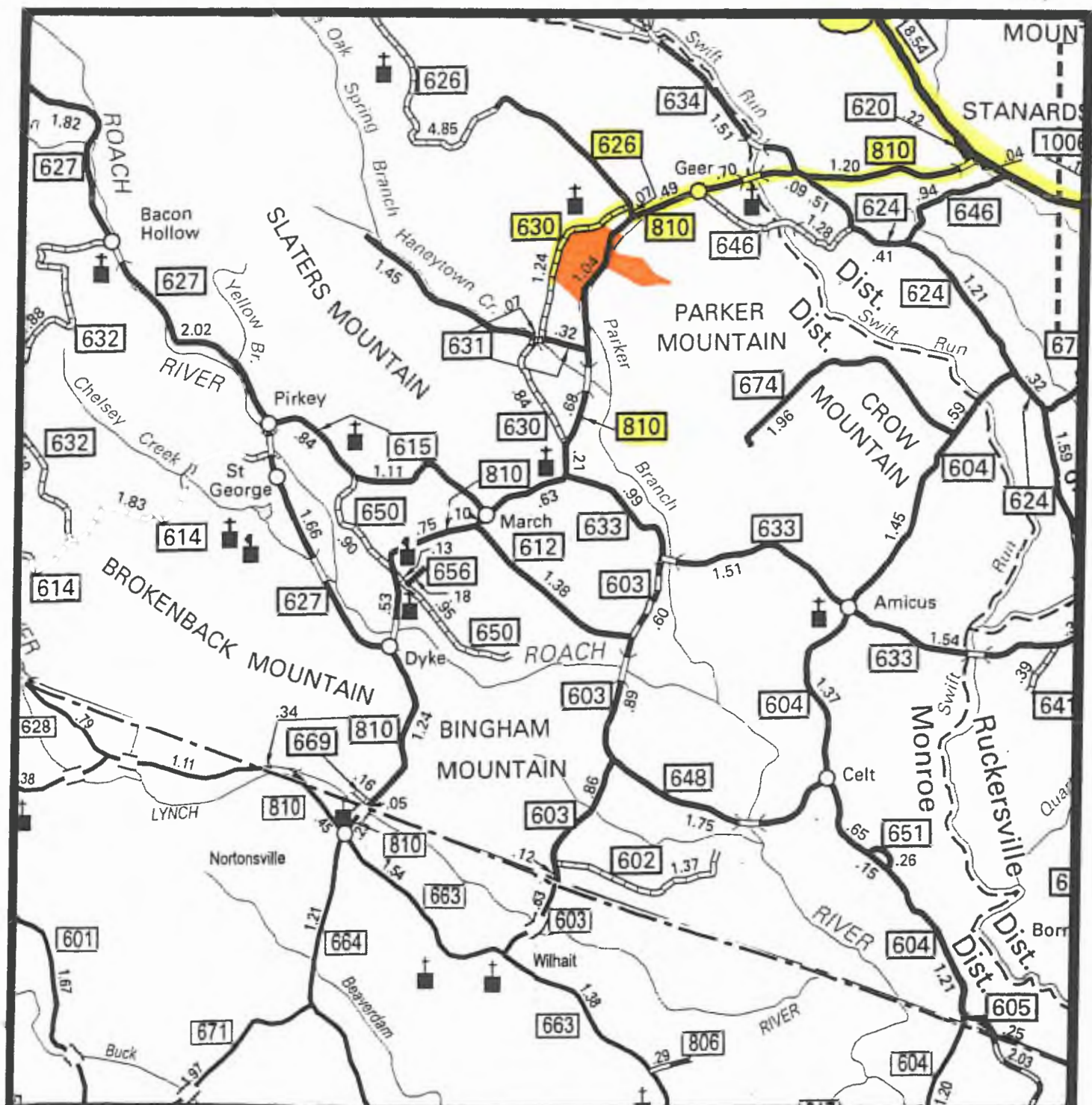
GRJMD 1-3

VICINITY MAP



Inc.

(Biosolids Land Application)



Scale: 1" = 1 mile

GRJMD 1-3

VICINITY MAP



Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

GRJMD 1-3

TAX MAP

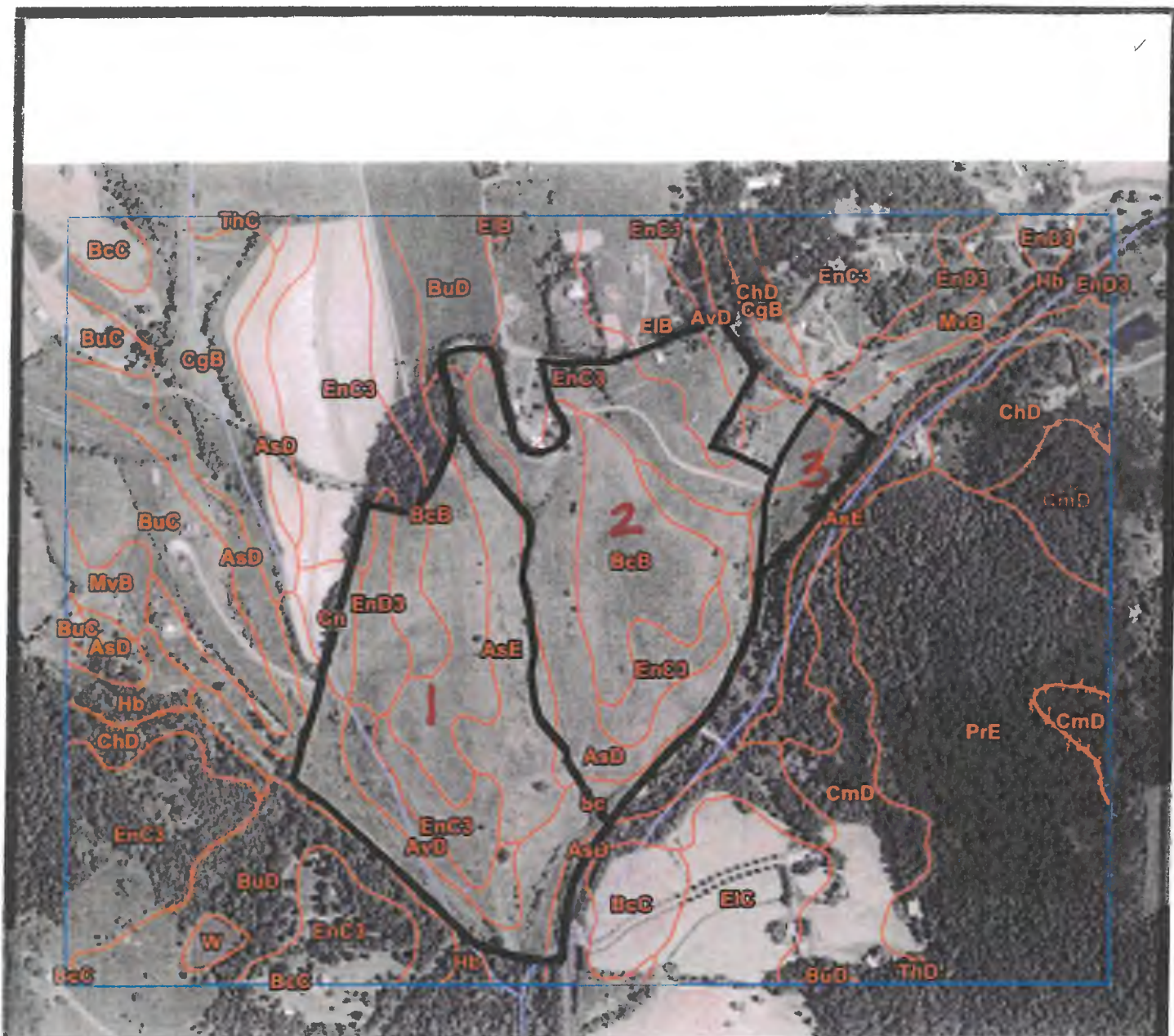


ADJOINING LANDOWNERS

Jeannette M. Deane

GREENE COUNTY

Tax Map	Parcel #	Owner Name(s)
25-A	25A	Georgiana Hubbard McCabe
35-1	7	Robert D. Jospe
	8	Robert D. Jospe
	E	Michael R. and Corinne M. Skeens
	10	Robert D. Jospe
35-A	2	Guy L. IV and Marjorie R. Smith
	3	Harry L. and Patricia V. Van Trees MTN Trust
	4	Steven D. and Sharon B. Morris
	4A	T. Tracy and Danease W. Arrington
	5A	Gloria F. Powell
	5B	Gloria Faye Powell
	8A	Doni A. Barlow
	9A	Theresa A. Powell
	21A	David T. and Sara Haley
	22	No Data Available
	23	No Data Available
	24	Lewis G. Jr. and Joyce A. Byrd
	25	Harry L. and Diane E. Van Trees
	26	October Hill LLC
35A-A	7	Kenneth and Carol L. Weiss



Scale: 1" = 660 ft.

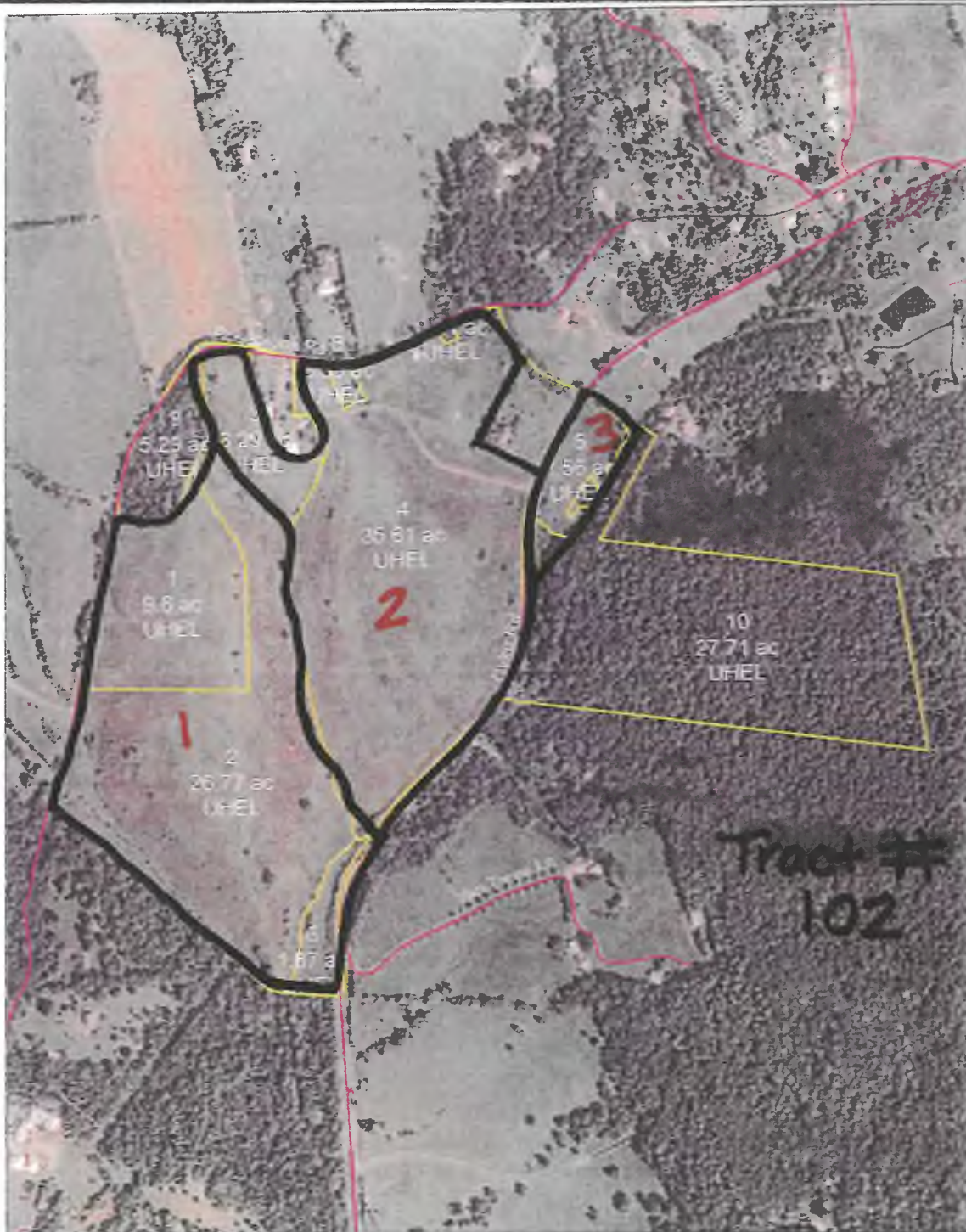
GRJMD 1-3

SOIL MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

GRJMD 1-3

AERIAL MAP



Legend for Site Plan



House and Well



Well / Spring



Perennial Streams & Surface



Wet Spot



Intermittent Stream / Drainage



Trees and Woods



Private Drive



Rock / Rocky Area



Sinkhole



Severely Eroded Spot



State Road



Field Boundary / Fence



Property Line



Slope

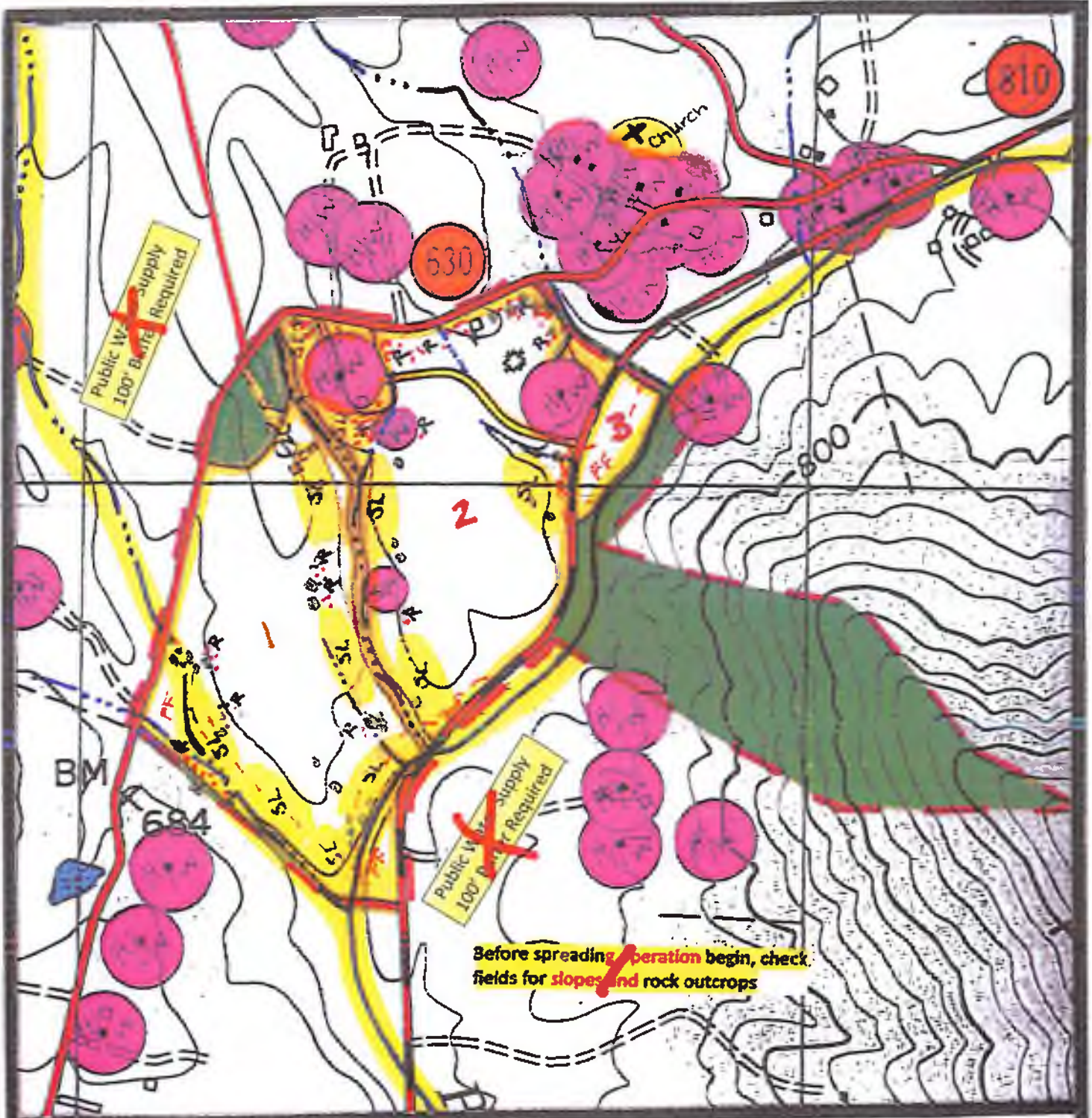


Frequent Flooded Soil

Revised 2-6-19
revised 8/21/19

Recyc Systems[™]

Inc. (Biosolids Land Application)



Scale: 1" = 660 ft.

GRJMD 1-3

SITE PLAN



